

ERRBBIC PS31H

ERRBBIC PS31H Solar Charger Power Bank User Manual

Model: PS31H | Brand: ERRBBIC

1. INTRODUCTION

Thank you for choosing the ERRBBIC PS31H Solar Charger Power Bank. This robust and versatile device is designed to keep your electronic devices charged in various environments, especially outdoors. Featuring a high-capacity battery, multiple charging options, and integrated safety features, it is an essential companion for travel, camping, and daily use.

2. PRODUCT OVERVIEW

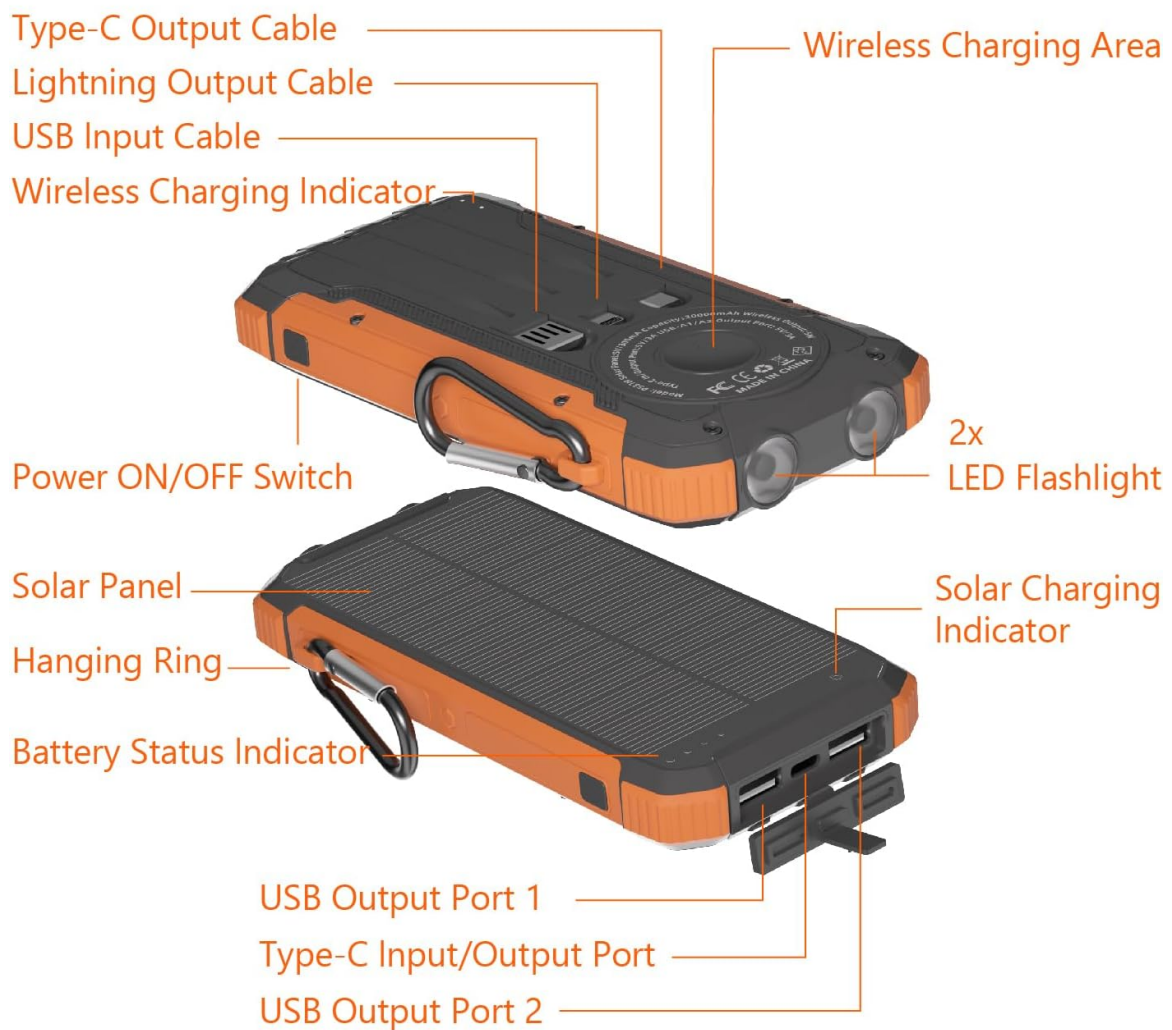
The ERRBBIC PS31H Solar Charger Power Bank combines a 20000mAh battery with solar charging capabilities, multiple output ports, and a dual LED flashlight. Its durable construction ensures reliability in challenging conditions.

Key Features:

- **20000mAh Capacity:** Provides multiple charges for smartphones and other devices.
- **Built-in Cables:** Includes Type-C, Lightning, and USB-A output cables for convenience.
- **Multiple Output Ports:** Two external USB-A ports and one PD Type-C port.
- **Qi Wireless Charging:** 5W wireless charging capability.
- **15W Fast Charging:** Supports Power Delivery (PD) for rapid charging of compatible devices.
- **Dual LED Flashlight:** Features Steady, Flashing, and SOS modes for emergency use.
- **Solar Panel:** Supplementary charging via sunlight (5.5V/300mA).
- **Durable Design:** Made from professional ABS material, waterproof, drop-proof, and dust-proof (IPX4 Splashproof).
- **Safety Protections:** 8-fold protection against overcharge, short circuit, temperature, and more. Certified by UL2056/UN38.3.
- **Carabiner:** Includes a mountaineering buckle for easy attachment to backpacks.

Component Identification:

Product Layout



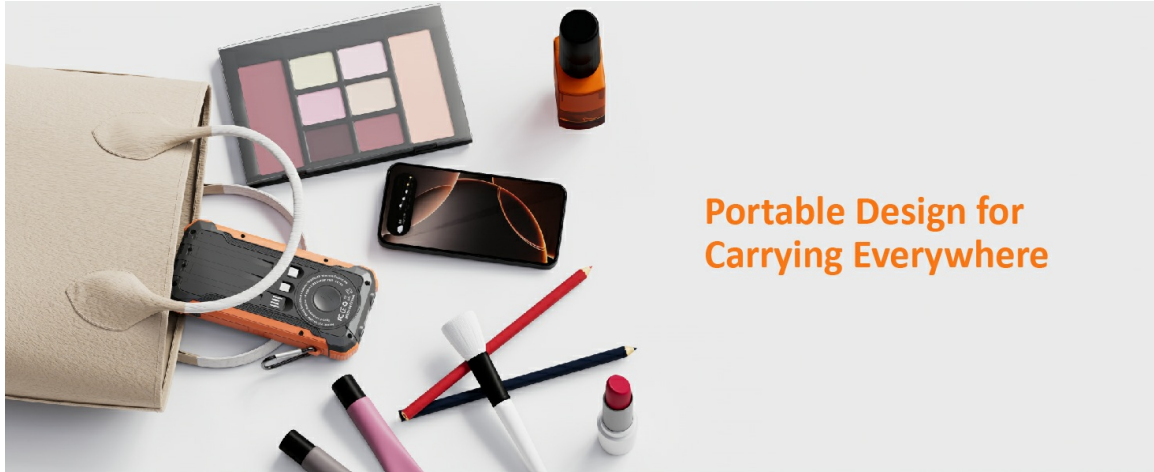
This diagram illustrates the various parts of your power bank:

1. Wireless Charging Area
2. Type-C Output Cable
3. Lightning Output Cable
4. USB Input Cable
5. Wireless Charging Indicator
6. Power ON/OFF Switch
7. 2x LED Flashlight
8. Solar Panel
9. Hanging Ring
10. Battery Status Indicator
11. USB Output Port 1
12. Type-C Input/Output Port
13. USB Output Port 2
14. Solar Charging Indicator

3. SETUP

Initial Charging:

Before first use, fully charge the power bank using a wall adapter. Connect a USB-C cable to the Type-C Input/Output Port (12) and plug it into a power source. The Battery Status Indicators (10) will illuminate to show charging progress. All four blue lights indicate a full charge.



**Portable Design for
Carrying Everywhere**

Text Description: The image displays the ERRBBIC PS31H power bank connected to a wall charger via its Type-C port. Blue LED lights on the device indicate the current charge level, showing it is actively charging.

Solar Charging (Supplementary):

The integrated solar panel (8) provides supplementary charging. Place the power bank in direct sunlight. The green Solar Charging Indicator (14) will light up when solar charging is active. Note that solar charging is slower than wall charging and is intended for emergency power maintenance rather than primary charging.



Text Description: The image shows the ERRBBIC PS31H power bank placed on a rock outdoors, with its solar panel facing upwards to absorb sunlight. This illustrates the supplementary solar charging capability.

4. OPERATING INSTRUCTIONS

Charging Your Devices:

The power bank offers multiple ways to charge your devices:

- **Wired Charging (Built-in Cables):** Pull out the integrated Type-C (2), Lightning (3), or USB Input (4) cables and connect them directly to your compatible device.
- **Wired Charging (External Ports):** Use your own charging cables to connect to the USB Output Port 1 (11), USB Output Port 2 (13), or the Type-C Input/Output Port (12).

- **Wireless Charging:** Place your Qi-compatible device on the Wireless Charging Area (1). The Wireless Charging Indicator (5) will light up when active.

Press the Power ON/OFF Switch (6) once to begin charging. The Battery Status Indicators (10) will show the remaining power.

Easy Travel

Charge 6 Devices Simultaneously

Say goodbye to carrying multiple charging cables



Text Description: The image demonstrates the ERRBBIC PS31H power bank's ability to charge multiple devices simultaneously. A tablet is connected via a built-in cable, a smartphone is wirelessly charging on the pad, and wireless earbuds are connected to an external USB port.



Solar Charging

Text Description: This image highlights the 15W PD fast charging feature, showing a smartphone connected to the power bank with a charging animation indicating rapid power transfer.

Using the Dual LED Flashlight:

The power bank features a powerful dual LED flashlight (7) with three modes:

1. **Activate:** Press and hold the Power ON/OFF Switch (6) for approximately 3 seconds to turn on the flashlight in Steady mode.
2. **Cycle Modes:** Briefly press the Power ON/OFF Switch (6) to cycle through Flashing mode, then SOS mode.
3. **Turn Off:** Press and hold the Power ON/OFF Switch (6) again for approximately 3 seconds to turn off the flashlight.



Text Description: The image depicts the ERRBBIC PS31H power bank's dual LED flashlight in action, casting a bright beam in a dark, wooded area with two illuminated tents in the background. Icons for Steady, SOS, and Strobe modes are shown, indicating its versatility.

Attaching with Carabiner:

Use the included carabiner to attach the power bank to your backpack or gear, allowing for convenient solar charging while on the move.

A MUST-HAVE FOR OUTDOOR ENTHUSIASTS



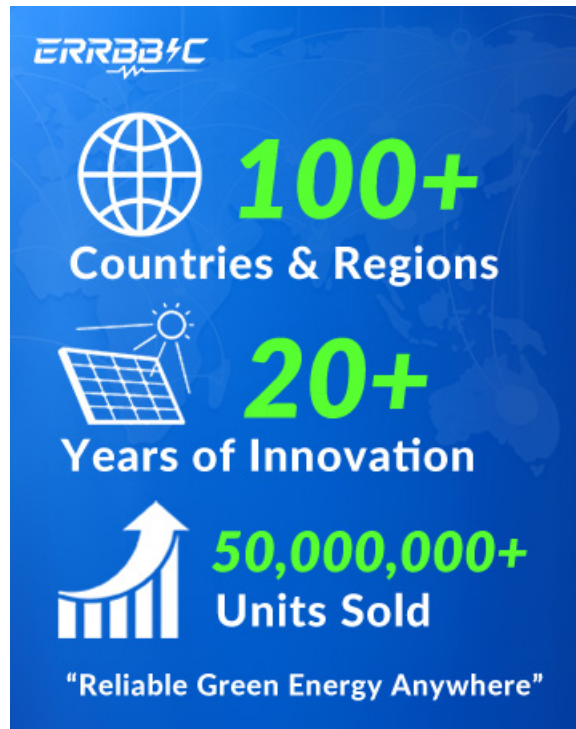
Text Description: A person is shown hiking with a backpack, to which the ERRBBIC PS31H power bank is attached using a carabiner. The solar panel on the power bank is exposed to sunlight, illustrating its portable charging capability during outdoor activities.

Video Description: This video demonstrates the ERRBBIC Solar Charger Power Bank in various outdoor scenarios. It highlights features such as wireless charging, multiple charging ports (USB-A, USB-C), the dual LED flashlight with steady, strobe, and SOS modes, and the convenience of solar charging while attached to a backpack. The video emphasizes its durability and suitability for outdoor activities.

5. SAFETY INFORMATION

Your ERRBBIC PS31H Power Bank is built with safety in mind:

- **8-Fold Protection:** Includes overcharge, short circuit, temperature control, overcurrent, over-discharge, overvoltage, electromagnetic field, and recovery protection.
- **Certifications:** Certified by UL2056/UN38.3 for safe charging.
- **Overheat Protection:** Automatic shut-off if temperature exceeds 50°C/122°F.
- **Extreme Temperature Tolerance:** Operates within -20°C to 60°C.
- **Auto Shut-off:** Device automatically turns off after 30 seconds of no operation to conserve power.
- **Durable Construction:** Passed 5-foot drop and salt spray corrosion tests, resistant to chemical corrosion and high temperatures.



Text Description: The image displays the ERRBBIC power bank alongside a shield icon and various smaller icons representing its comprehensive safety features, including overcharge, overcurrent, over-discharge, overvoltage, short circuit, electromagnetic field, temperature, and recovery protection.

6. MAINTENANCE

- Keep the power bank dry and away from excessive moisture.
- Clean the device with a soft, dry cloth. Avoid harsh chemicals or abrasive materials.
- Store in a cool, dry place when not in use.
- Avoid exposing the device to extreme temperatures (above 60°C or below -20°C) for prolonged periods.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.

7. TROUBLESHOOTING

- **Device not charging:** Ensure the power bank is sufficiently charged. Check all cable connections. Try a different cable or port.
- **Solar panel not indicating charge:** Ensure the power bank is in direct sunlight. The solar panel is for supplementary charging; it may not show rapid charge progress.
- **Flashlight not working:** Press and hold the Power ON/OFF Switch for 3 seconds to activate. Ensure the power bank has sufficient charge.
- **Wireless charging not working:** Ensure your device is Qi-compatible and properly aligned on the wireless charging area. Remove any thick cases that might interfere.

8. SPECIFICATIONS

Feature	Specification
Model Number	PS31H

Feature	Specification
Battery Capacity	20000mAh
Solar Panel Output	5.5V/300mA
USB-A Output	15W Max
USB-C Output	15W PD Fast Charging
Wireless Output	5W
Dimensions	6.3 x 3.35 x 0.98 inches
Item Weight	10.6 ounces
Waterproof Rating	IPX4 Splashproof
Operating Temperature	-20°C to 60°C



Text Description: The image provides a technical drawing of the ERRBBIC PS31H power bank, detailing its dimensions: 160mm in length, 85mm in width, and 20mm in thickness.

9. WARRANTY AND SUPPORT

ERRBBIC provides a one-year after-sales service for this product. If you encounter any problems or have questions, please feel free to contact us. We are committed to replying within 24 hours to ensure your satisfaction.



Our Factory

ERRBBIC products are manufactured in advanced facilities covering more than 12,000 square meters. Each factory is equipped with modern automated production lines and professional testing laboratories. From raw materials to finished products, every step follows strict international standards, ensuring durability, safety, and consistency. With large-scale capacity and precise quality control, we deliver reliable solar power banks trusted by users worldwide.

Text Description: The image highlights ERRBBIC's customer support, featuring text indicating '24/7 Support' and a '12-Month Quality Undertaking', emphasizing a one-year warranty and 24-hour online support.

10. PACKAGE CONTENTS

Upon opening your ERRBBIC PS31H Solar Charger Power Bank package, you will find the following items:

- 1 x ERRBBIC Solar Power Bank
- 1 x User Manual (this document)
- 1 x Free Carabiner



Text Description: The image displays the ERRBBIC PS31H power bank, a user manual, and a carabiner, laid out next to a brown product box, representing the complete package contents.

